

<b>FORM 1449*</b> <b>INFORMATION DISCLOSURE STATEMENT</b> <b>IN AN APPLICATION</b> (Use several sheets if necessary)	Docket Number:	Application Number:
	11669.41US01	09/218,481
	Applicant: VAN BRUGGEN ET AL.	
	Filing Date: 12/22/1998	Group Art Unit: 1654

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
Su			Barleon, B. et al., "Differential Expression of the Two VEGF Receptors flt and KDR in Placenta and Vascular Endothelial Cells", <i>J. Cell Biochem.</i> , Vol. 54, No. 1, pp. 56-66 (January 1994). ✓			
			Bennett, B.D. et al., "Extracellular Domain-IgG Fusion Proteins for Three Human Natriuretic Peptide Receptors. Hormone Pharmacology and Application to Solid Phase Screening of Synthetic Peptide Antisera", <i>J. Biol. Chem.</i> , Vol. 266, No. 34, pp. 23060-23067 (December 5, 1991). ✓			
			Burgess, W.H. et al., "The Heparin-Binding (Fibroblast) Growth Factor Family of Proteins", <i>Annu. Rev. Biochem.</i> , Vol. 58, pp. 575-606 (1989). ✓			
			Chen, S.T. et al., "A Model of Focal Ischemic Stroke in the Rat: Reproducible Extensive Cortical Infarction", <i>Stroke</i> , Vol. 17, No. 4, pp. 738-743 (July-August 1986). ✓			
			Chisholm et al., "DNA Cloning 4: A Practical Approach", <i>Mammalian Systems</i> , pp. 1-39 (1995). ✓			
			Collins, P.D. et al., "Characterization of the Increase in Vascular Permeability Induced by Vascular Permeability Factor <i>in vivo</i> ", <i>Br. J. Pharmacol.</i> , Vol. 109, pp. 195-199 (1993). ✓			
			Connolly, D.T. et al., "Human Vascular Permeability Factor. Isolation from U937 Cells.", <i>J. Biol. Chem.</i> , Vol. 264, No. 33, pp. 20017-20024 (November 25, 1989). ✓			
			Connolly, D.T. et al., "Tumor Vascular Permeability Factor Stimulates Endothelial Cell Growth and Angiogenesis", <i>J. Clin. Invest.</i> , Vol. 84, No. 5, pp. 1470-1478 (November 1989). ✓			
			Davis-Smyth, T. et al., "The Second Immunoglobulin-like Domain of the VEGF Tyrosine Kinase Receptor Flt-1 Determines Ligand Binding and may Initiate a Signal Transduction Cascade", <i>EMBO J.</i> , Vol. 15, No. 18, pp. 4919-4927 (September 16, 1996). ✓			
			de Vries, C. et al., "The fms-like Tyrosine Kinase, a Receptor for Vascular Endothelial Growth Factor", <i>Science</i> , Vol. 255, No. 5047, pp. 989-991 (February 21, 1992). ✓			
			Detmar, M. et al., "Hypoxia Regulates the Expression of Vascular Permeability Factor/Vascular Endothelial Growth Factor (VPF/VEGF) and its Receptors in Human Skin", <i>J. Invest. Dermatol.</i> , Vol. 108, No. 3, pp. 263-268 (March 1997). ✓			
			Dobrogowska, D.H. et al., "Increased Blood-Brain Barrier Permeability and Endothelial Abnormalities Induced by Vascular Endothelial Growth Factor", <i>Journal of Neurocytology</i> , Vol. 27, pp. 163-173 (1998). ✓			
			Dor and Keshet, "Ischemia-Driven Angiogenesis", <i>Trends in Cardiovascular Med.</i> , Vol. 7, pp. 289-294 (1997). ✓			
			Ferrara, N. et al., "Molecular and Biological Properties of the Vascular Endothelial Growth Factor Family of Proteins", <i>Endocr. Rev.</i> , Vol. 13, No. 1, pp. 18-32 (February 1992). ✓			
			Ferrara, N. et al., "Pituitary Follicular Cells Produce Basic Fibroblast Growth Factor", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 84, No. 16, pp. 5773-5777 (August 1987). ✓			
			Ferrara, N. et al., "Pituitary Follicular Cells Secrete a Novel Heparin-Binding Growth Factor Specific for Vascular Endothelial Cells", <i>Biochem. Biophys. Res. Commun.</i> , Vol. 161, No. 2, pp. 851-858 (June 15, 1989). ✓			

EXAMINER <u>A. G.</u>	DATE CONSIDERED <u>6/31/00</u>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	

<b>FORM 1449*</b> <b>INFORMATION DISCLOSURE STATEMENT</b> <b>IN AN APPLICATION</b> (Use several sheets if necessary)	Docket Number: 11669.41US01		Application Number: 09/218,481
	Applicant: VAN BRUGGEN ET AL.		
	Filing Date: 12/22/1998		Group Art Unit: 1654

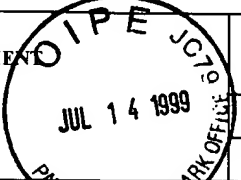
**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

See	Ferrara, N. et al., "The Biology of Vascular Endothelial Growth Factor", <i>Endocr. Rev.</i> , Vol. 18, No. 1, pp. 4-25 (February 1997).	✓
	Ferrara, N. et al., "The Vascular Endothelial Growth Factor Family of Polypeptides", <i>J. Cell Biochem.</i> , Vol. 47, No. 3, pp. 211-218 (November 1991).	✓
	Ferrara, N. et al., "Vascular Endothelial Growth Factor is Essential for Corpus Luteum Angiogenesis", <i>Nature Medicine</i> , Vol. 4, No. 3, pp. 336-340 (March 1998).	✓
	Folkman, J. et al., "Induction of Angiogenesis During the Transition from Hyperplasia to Neoplasia", <i>Nature</i> , Vol. 339, No. 6219, pp. 58-61 (May 4, 1989).	✓
	Harlow & Lane, "Antibodies: A Laboratory Manual", <i>Cold Spring Laboratory</i> , p. 597 (1988).	✓
	Hayashi, T. et al., "Rapid Induction of Vascular Endothelial Growth Factor Gene Expression After Transient Middle Cerebral Artery Occlusion in Rats", <i>Stroke</i> , Vol. 28, No. 10, pp. 2039-2044 (October 1997).	✓
	Hayashi, T. et al., "Reduction of Ischemic Damage by Application of Vascular Endothelial Growth Factor in Rat Brain After Transient Ischemia", <i>J. Cereb. Blood Flow Metab.</i> , Vol. 18, No. 8, pp. 887-895 (1998).	✓
	Houck, K.A. et al., "The Vascular Endothelial Growth Factor Family: Identification of a Fourth Molecular Species and Characterization of Alternative Splicing of RNA", <i>Mol. Endocrinol.</i> , Vol. 5, No. 12, pp. 1806-1814 (December 1991).	✓
	Ishikawa, F. et al., "Identification of Angiogenic Activity and the Cloning and Expression of Platelet-Derived Endothelial Cell Growth Factor", <i>Nature</i> , Vol. 338, No. 6216, pp. 557-562 (April 13, 1989).	✓
	Keck, P.J. et al., "Vascular Permeability Factor, an Endothelial Cell Mitogen Related to PDGF", <i>Science</i> , Vol. 246, No. 4935, pp. 1309-1312 (December 8, 1989).	✓
	Kim et al., "Epitopes on the S1 Subunit of Pertussis Toxin Recognized by Monoclonal Antibodies", <i>Infection and Immunity</i> , Vol. 57, pages 944-950 (1989).	✓
	Klatzo et al., "Concepts of Ischemic Injury Associated with Brain Edema", In: Brain Edema, <i>Tokyo Springer</i> , pp. 1-5 (1984).	✓
	Kovacs et al., "VEGF and flt: Expression Time Kinetics in Rat Brain Infarct", <i>Stroke</i> , Vol. 27, No. 10, pp. 1865-1873 (October 1996).	✓
	Lennmyr, F. et al., "Expression of Vascular Endothelial Growth Factor (VEGF) and its Receptors (Flt-1 and Flk-1) Following Permanent and Transient Occlusion of the Middle Cerebral Artery in the Rat", <i>J. Neuropathol. Exp. Neurol.</i> , Vol. 57, No. 9, pp. 874-882 (September 1998).	✓
	Leung, D.W. et al., "Cloning, Expression During Development, and Evidence for Release of a Trophic Factor for Ciliary Ganglion Neurons", <i>Neuron</i> , Vol. 8, No. 6, pp. 1045-1053 (June 1992).	✓
	Leung, D.W. et al., "Vascular Endothelial Growth Factor is a Secreted Angiogenic Mitogen", <i>Science</i> , Vol. 246, No. 4935, pp. 1306-1309 (December 8, 1989).	✓
	Lucas, B.K. et al., "High-Level Production of Recombinant Proteins in CHO Cells Using a Dicistronic DHFR Intron Expression Vector", <i>Nucleic Acids Res.</i> , Vol. 24, No. 9, pp. 1774-1779 (May 1, 1996).	✓
	Matthews, W. et al., "A Receptor Tyrosine Kinase cDNA Isolated from a Population of Enriched Primitive Hematopoietic Cells and Exhibiting Close Genetic Linkage to c-kit", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 88, No. 20, pp. 9026-9030 (October 15, 1991).	✓
	Monacci, W.T. et al., "Expression of Vascular Permeability Factor/Vascular Endothelial Growth Factor in Normal Rat Tissues", <i>Am. J. Physiol.</i> , Vol. 264, No. 4, Part 1, pp. C995-C1002 (April 1993).	✓
	Nag, S. et al., "Role of Vascular Endothelial Growth Factor in Blood-Brain Barrier Breakdown and Angiogenesis in Brain Trauma", <i>J. Neuropathol. Exp. Neurol.</i> , Vol. 56, No. 8, pp. 912-921 (August 1997).	✓
	Neufeld, G. et al., "Vascular Endothelial Growth Factor and its Receptors", <i>Prog. Growth Factor Res.</i> , Vol. 5, No. 1, pp. 89-97 (1994).	✓

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

<b>FORM 1449*</b> <b>INFORMATION DISCLOSURE STATEMENT</b> <b>IN AN APPLICATION</b> (Use several sheets if necessary)			Docket Number: 11669.41US01	Application Number: 09/218,481
			Applicant: VAN BRUGGEN ET AL.	
	Filing Date: 12/22/1998		Group Art Unit: 1654	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
✓	Phillips et al., "An Angiogenic Extract from Skeletal Muscle Stimulates Monocyte and Endothelial Cell Chemotaxis <i>In Vitro</i> ", <i>Proc. Soc. Exp. Biol. Med.</i> , Vol. 197, p. 458 (1991).	✓
✓	Quinn, T.P. et al., "Fetal Liver Kinase I is a Receptor for Vascular Endothelial Growth Factor and is Selectively Expressed in Vascular Endothelium", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 90, No. 16, pp. 7533-7537 (August 15, 1993).	✓
✓	Rosenstein, J.M. et al., "Patterns of Brain Angiogenesis after Vascular Endothelial Growth Factor Administration <i>in vitro</i> and <i>in vivo</i> ", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 95, pp. 7086-7091 (June 1998).	✓
✓	Shibuya, M. et al., "Nucleotide Sequence and Expression of a Novel Human Receptor-Type Tyrosine Kinase Gene (flt) Closely Related to the fms Family", <i>Oncogene</i> , Vol. 5, No. 4, pp. 519-524 (April 1990).	✓
✓	Shweiki, D. et al., "Vascular Endothelial Growth Factor Induced by Hypoxia may Mediate Hypoxia-Initiated Angiogenesis", <i>Nature</i> , Vol. 359, No. 6398, pp. 843-845 (October 29, 1992).	✓
✓	Stone, J. et al., "Development of Retinal Vasculature is Mediated by Hypoxia-Induced Vascular Endothelial Growth Factor (VEGF) Expression by Neuroglia", <i>J. Neurosci.</i> , Vol. 15, No. 7, Part 1, pp. 4738-4747 (July 1995).	✓
✓	Terman, B.I. et al., "Identification of a New Endothelial Cell Growth Factor Receptor Tyrosine Kinase", <i>Oncogene</i> , Vol. 6, No. 9, pp. 1677-1683 (September 1991).	✓
✓	Terman, B.I. et al., "Identification of the KDR Tyrosine Kinase as a Receptor for Vascular Endothelial Cell Growth Factor", <i>Biochem. Biophys. Res. Commun.</i> , Vol. 187, No. 3, pp. 1579-1586 (September 30, 1992).	✓
✓	Thompson, E.W. et al., "Supernatants of Acquired Immunodeficiency Syndrome-Related Kaposi's Sarcoma Cells Induce Endothelial Cell Chemotaxis and Invasiveness", <i>Cancer Res.</i> , Vol. 51, No. 10, pp. 2670-2676 (May 15, 1991).	✓
✓	Tischer, E. et al., "Vascular Endothelial Growth Factor: A New Member of the Platelet-Derived Growth Factor Gene Family", <i>Biochem. Biophys. Res. Commun.</i> , Vol. 165, No. 3, pp. 1198-1206 (December 29, 1989).	✓
✓	Waltenberger, J. et al., "Different Signal Transduction Properties of KDR and Flt1, Two Receptors for Vascular Endothelial Growth Factor", <i>J. Biol. Chem.</i> , Vol. 269, No. 43, pp. 26988-26995 (October 28, 1994).	✓
✓	Weidner, N. et al., "Tumor Angiogenesis and Metastasis — Correlation in Invasive Breast Carcinoma", <i>N. Engl. J. Med.</i> , Vol. 324, No. 1, pp. 1-8 (January 3, 1991).	✓
✓	Weindel, K. et al., "Detection and Quantification of Vascular Endothelial Growth Factor/Vascular Permeability Factor in Brain Tumor Tissue and Cyst Fluid: The Key to Angiogenesis?", <i>Neurosurgery</i> , Vol. 35, No. 3, pp. 439-448 (September 1994).	✓
✓	Yarmush, M.L. et al., "Identification and Characterization of Rabbit-Mouse Hybridomas Secreting Rabbit Immunoglobulin Chains", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 77, No. 5, pp. 2899-2903 (May 1980).	✓
✓	Yelton, D.E. et al., "Fusion of Mouse Myeloma and Spleen Cells", <i>Curr. Top Microbiol. Immunol.</i> , Vol. 81, pp. 1-7 (1978).	✓

EXAMINER <i>J. Lee</i>	DATE CONSIDERED <i>5/31/00</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	